

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**1-29. (Cancelled)**

**30. (Currently Amended)** A self cleaning filter assembly for use in an exhaust system having a path defined by internal walls for an air flow, the assembly comprising:

a casing configured ~~duct~~ for positioning within the internal walls of ~~about~~ the path of the ~~the~~ [[an]] air flow, the casing ~~duct~~ housing a first filter and ~~a second filter;~~ a ~~plurality of spray outlets~~ at least one spray outlet for dispersion of a liquid within the casing ~~duct~~, wherein the at least one spray outlet ~~plurality of spray outlets~~ forms droplets of the liquid sized for combining with a contaminant to form combined droplets in the air flow, and wherein ~~at least one of the first filter and the second filter~~ captures the combined droplets; and

a barrier supported on ~~positioned adjacent~~ the casing for extending across a width of the first filter ~~duct~~ to prevent the liquid from dripping from ~~at least one of the first filter and the second filter~~ and out from the casing ~~duct~~.

**31. (Currently Amended)** A self cleaning filter assembly as claimed in Claim 30, wherein the barrier comprises a plurality of louvres that are adjustable between an open position and a closed position, wherein the open position

creates openings for air flow into the casing, and the closed position closes the openings to form the barrier~~when the exhaust system is operational.~~

32. **(Currently Amended)** A self cleaning filter assembly as claimed in Claim 30, wherein the barrier is slidable into the casing~~duct~~ to create an opening into the casing when the exhaust system is operational.

33. **(Previously Presented)** A self cleaning filter assembly as claimed in Claim 30, wherein the barrier includes baffles to retard the air flow.

34. **(Previously Presented)** A self cleaning filter assembly as claimed in Claim 30, wherein the barrier includes at least one chamber for the containment of the liquid.

35. **(Previously Presented)** A self cleaning filter assembly as claimed in Claim 34, further comprising:

a conduit for fluid drainage of the liquid from the at least one chamber.

36. **(Currently Amended)** A self cleaning filter assembly as claimed in Claim 30, wherein the at least one~~each~~ spray outlet disperses the liquid in an arc of between sixty degrees and one hundred eighty degrees relative to a central axis of the spray outlet.

37. **(Currently Amended)** A self cleaning filter assembly as claimed in Claim 30, wherein the at least one~~each~~ spray outlet is selected from a group of outlets consisting of a fan jet spray and a nozzle.

38. **(Previously Presented)** A self cleaning filter assembly as claimed in Claim 30, wherein the liquid includes water and a degreaser in a ratio in the range of from 1:10 to 1:50.

39. **(Currently Amended)** A self cleaning filter assembly as claimed in Claim 30[[1]], wherein the at least one spray outlet ~~is plurality of spray outlets are~~ on an inlet side of one of the first filter and a~~the~~ second filter.

40. **(Currently Amended)** A self cleaning filter assembly as claimed in Claim 39, wherein the at least one spray outlet ~~is plurality of spray outlets are~~ located at each edge of one of the first filter and the second filter.

41. **(Currently Amended)** A self cleaning filter assembly as claimed in Claim 30, wherein the at least one spray outlet ~~is plurality of spray outlets are~~ located between the first filter and a~~the~~ second filter.

42. **(Currently Amended)** A self cleaning filter assembly as claimed in Claim 30, wherein the at least one spray outlet ~~is plurality of spray outlets are~~ located on opposed corners of one of the first filter and a~~the~~ second filter.

43. **(Currently Amended)** A self cleaning filter assembly as claimed in Claim 30, wherein the at least one spray outlet ~~is plurality of spray outlets~~ are located within the casing ~~duct~~.

44. **(Currently Amended)** A self cleaning filter assembly as claimed in Claim 34 ~~[[30]]~~, wherein the ~~barrier comprises~~ at least one chamber has ~~with~~ at least one baffle therein.

45-49. **(Cancelled)**

50. **(New)** A self cleaning filter assembly as claimed in Claim 34, wherein two chambers are provided within a fixture located before a first end of the casing.

51. **(New)** A self cleaning filter assembly as claimed in Claim 31, wherein the plurality of louvres include a layer of coating for ease of removal of hardened droplets on the plurality of louvres.

52. **(New)** A self cleaning filter assembly as claimed in Claim 34, wherein the casing is configured to be positioned at an angle within the internal walls, and wherein the at least one chamber is configured to capture excess spray.

53. **(New)** A self cleaning filter assembly for use in an exhaust system having a path defined by internal walls for an air flow, the assembly comprising:

a casing configured for positioning within the internal walls of the path of the air flow, the casing housing a first filter;

at least one spray outlet for dispersion of a liquid within the casing, wherein the at least one spray outlet forms droplets of the liquid sized for combining with a contaminant to form combined droplets in the air flow, and wherein the first filter captures the combined droplets; and

a barrier supported on the casing for extending across a width of the first filter to prevent the liquid from dripping from the first filter and out from the casing, the barrier including at least two chambers within a fixture for containment of the liquid.

54. **(New)** A self cleaning filter assembly for use in an exhaust system having a path defined by internal walls for an air flow, the assembly comprising:

a casing configured for positioning within the internal walls of the path of the air flow, the casing housing a first filter;

at least one spray outlet for dispersion of a liquid within the casing, wherein the at least one spray outlet forms droplets of the liquid sized for combining with a contaminant to form combined droplets in the air flow, and wherein the first filter captures the combined droplets;

a barrier supported on the casing for extending across a width of the first filter to prevent the liquid from dripping from the first filter and out from the casing, the barrier including at least one chamber for the containment of the liquid; and

the casing is configured to be positioned at an angle within the internal walls.